



**Figure S1.** Subgroup analysis for the risk of Bell's palsy after influenza vaccination in sensitivity analyses.

**Table S1.** Baseline characteristics of Bell's palsy cases after influenza vaccination for sensitivity analyses.

Characteristics	Cases in risk interval		Cases in control interval		<i>p</i>	Cases in risk interval		Cases in control interval		<i>p</i>
	Days 1-14 post-vaccination		Days 29-42 post-vaccination			Days 1-28 post-vaccination		Days 43-70 post-vaccination		
	N	(%)	N	(%)		N	(%)	N	(%)	
<b>Total</b>	475	(100%)	441	(100%)		907	(100%)	866	(100%)	
<b>Age at vaccination</b>										
65-74	286	(60.21%)	268	(60.77%)	0.7322	569	(62.73%)	522	(60.28%)	0.5275
75-84	162	(34.11%)	153	(34.69%)		299	(32.97%)	301	(34.76%)	
Over 85	27	(5.68%)	20	(4.54%)		39	(4.30%)	43	(4.97%)	
<b>Gender</b>										
Female	281	(59.16%)	248	(56.24%)	0.3710	518	(57.11%)	497	(57.39%)	0.9055
Male	194	(40.84%)		(43.76%)		389	(42.89%)	369	(42.61%)	
<b>Months of vaccination</b>										
Jan-Feb	1	(0.21%)	0	(0%)	0.2767 <sup>a</sup>	1	(0.11%)	4	(0.46%)	0.3699 <sup>a</sup>
Mar-Apr	0	(0%)	0	(0%)		0	(0%)	0	(0%)	
Sep-Oct	444	(93.47%)	421	(95.46%)		854	(94.16%)	817	(94.34%)	
Nov-Dec	30	(6.32%)	12	(4.33%)		52	(5.73%)	45	(5.20%)	
<b>Type of vaccinated institution</b>										
Private health institution	400	(84.21%)	375	(85.03%)	0.7300	761	(83.90%)	714	(82.45%)	0.4128
Public health institution	75	(15.79%)	66	(14.67%)		146	(16.10%)	152	(17.55%)	
<b>Vaccinated regions</b>										
Capital region	188	(39.58%)	160	(36.28%)	0.3349	358	(39.47%)	363	(41.92%)	0.3915
Metropolitan city	126	(26.53%)	111	(25.17%)		233	(25.69%)	200	(23.09%)	
Others	161	(33.89%)	170	(38.55%)		316	(34.84%)	303	(34.99%)	
<b>Setting of diagnosis</b>										
Inpatient	103	(21.68%)	107	(24.26%)	0.3535	188	(20.73%)	183	(21.13%)	0.8344
Outpatient	372	(78.32%)	334	(75.74%)		719	(79.27%)	683	(78.87%)	

**Table S2.** Risk of Bell's palsy after influenza vaccination by the month of vaccination

Time period *	No. of cases in risk interval <sup>†</sup>	No. of cases in control interval <sup>‡</sup>	IRR (95% CI)	No. of cases in risk interval <sup>§</sup>	No. of cases in control interval <sup>  </sup>	IRR (95% CI)	No. of cases in risk interval <sup>¶</sup>	No. of cases in control interval <sup>#</sup>	IRR (95% CI)
<b>Total</b>									
September	64	67	0.96 (0.68-1.35)	112	108	1.04 (0.80-1.35)	179	181	0.99 (0.80-1.22)
October	380	354	1.07 (0.93-1.24)	742	709	1.05 (0.94-1.16)	1,096	1,102	0.99 (0.91-1.08)
November	26	18	1.44 (0.79-2.63)	46	41	1.12 (0.74-1.71)	14	68	0.94 (0.67-1.32)
December	4	2	2.00 (0.37-10.92)	6	4	1.50 (0.42-5.32)	8	6	1.33 (0.46-3.84)
<b>2015/2016 season</b>									
September	1	0	-	1	1	1.00 (0.06-15.99)	1	1	1.00 (0.06-15.99)
October	131	125	1.05 (0.82-1.34)	245	284	0.86 (0.73-1.02)	370	399	0.93 (0.80-1.07)
November	4	4	1.00 (0.25-4.00)	9	14	0.64 (0.28-1.49)	13	19	0.68 (0.34-1.39)
December	2	0	-	3	2	1.50 (0.25-8.98)	3	2	1.50 (0.25-8.98)
<b>2016/2017 season</b>									
September	0	1	-	0	0	-	1	0	
October	147	147	1.00 (0.80-1.26)	301	263	1.14 (0.97-1.35)	448	422	1.06 (0.93-1.21)
November	5	5	1.00 (0.29-3.45)	10	12	0.83 (0.36-1.93)	15	18	0.83 (0.42-1.65)
December	1	2	0.50 (0.05-5.51)	1	1	1.00 (0.06-15.99)	3	2	1.50 (0.25-8.98)
<b>2017/2018 season</b>									
September	63	66	0.95 (0.68-1.35)	111	107	1.04 (0.80-1.35)	177	180	0.98 (0.80-1.21)
October	102	82	1.24 (0.93-1.66)	196	162	1.21 (0.98-1.49)	278	281	0.99 (0.84-1.17)
November	17	9	1.89 (0.84-4.24)	27	15	1.80 (0.96-3.38)	36	31	1.16 (0.72-1.88)
December	1	0	-	2	1	2.00 (0.18-22.06)	2	2	1.00 (0.14-7.10)

Abbreviations: IRR, incidence rate ratio; CI, confidence interval.

\* Overall, the doses of vaccinations between January and April were rare, and the number of patients who were vaccinated during the period and included in the risk and control

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intervals was very small, so they were omitted from the table. <sup>†</sup>Days 1-14 post-vaccination. <sup>‡</sup>Days 29-42 post-vaccination. <sup>§</sup>Days 1-28 post-vaccination. <sup>||</sup>Days 43-70 post-vaccination. <sup>¶</sup>Days 1-42 post-vaccination. <sup>#</sup>Days 57-98 post-vaccination.